AMERICAN aldes VENTILATION CORPORATION

VENTERGY SERIES®
IN-LINE VENTILATOR FAN
MODEL VS

PRODUCT SPECIFICATIONS AND TECHNICAL DATA
11/08

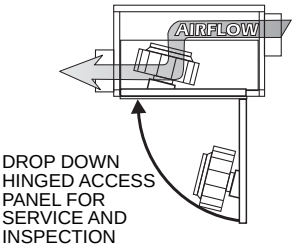
Ventergy Series® in-line ventilator fans represent years of engineering development to combine the energy efficiency and sound performance of a forward curved fan, with the durability and pressure characteristics of a backward inclined impeller fan.

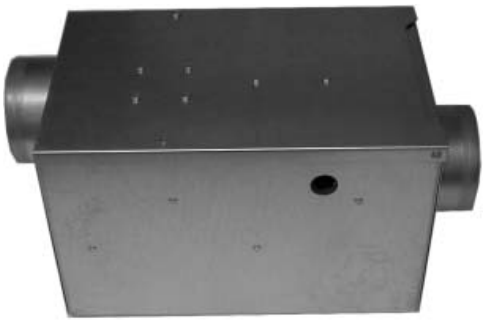
General: VS-Series in-line ventilators are highly versatile continuous duty rated fans for residential and light commercial applications, and meet ENERGY STAR efficiency criteria for low energy consumption. The most popular use is exhaust ventilation of bathrooms, kitchens, laundry rooms, garages, etc., with the principal advantage of eliminating the high noise levels found in traditional fans. In addition, with the increased tightness of construction for energy efficient buildings, there is a growing need of mechanical ventilation for indoor air quality. These fans are designed to serve this purpose as well, providing effective bathroom ventilation with a provision to run the fan intermittently or continuously as needed. Quiet continuous-duty energy efficient external rotor motors with permanently sealed bearings provide many years of maintenance-free performance.

Construction: The VS-Series fans are constructed of heavy gauge galvanized steel to prevent corrosion caused by moisture. The cabinet is internally lined with an acoustic UL rated, closed-cell foam vapor barrier insulation. This allows installation directly above living spaces, or in unheated plenums without concern for noise or condensation.

Fan and Motor: The fan motor is an energy efficient permanent split capacitor type, of external rotor design. Totally sealed to protect against moisture and contaminants, it is approved for use to remove steam and moisture in kitchen and bath areas. Motor incorporates permanently lubricated sealed bearings and automatic reset thermal overload protection. It is designed and certified for continuous duty or intermittent operation.

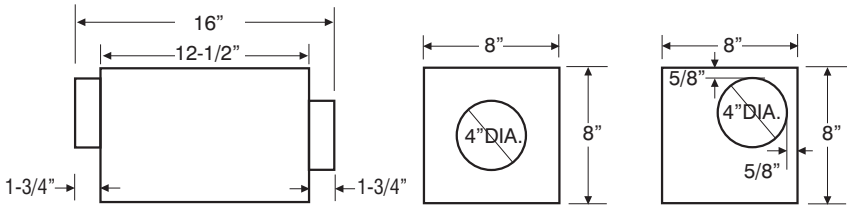
The fan uses a backward inclined impeller design that minimizes dust from collecting on the blades and affecting airflow performance. Each fan is statically and dynamically balanced at the factory to eliminate vibration and ensure quiet operation. The entire motor and fan



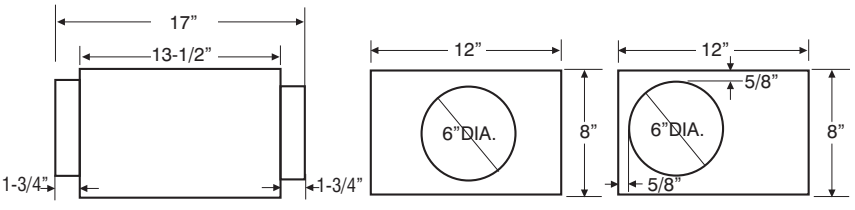


DIMENSIONS:

VS-4 and VS-4 MAX



VS-6 and VS-6 MAX



ELECTRICAL AND AIRFLOW PERFORMANCE*

Model	Nominal RPM	HP	Volts	Watts at .2" Ps	MAX. AMPS	CFM vs. Static Pressure					
						0"	.2"	.4"	.6"	.8"	1.0"
VS-4	2980	0.03	120	22	0.19	101	82	62	42	18	-
VS-4 MAX	3135	0.05	120	38	0.29	138	122	106	86	66	40
VS-6	2200	0.06	120	41	0.34	220	180	139	105	76	48
VS-6 MAX	2960	0.08	120	63	0.53	286	263	232	203	178	153

*Certified airflow rating at 0.2" w.g. is derated from actual test results per HVI Certification procedure 920.

assembly is mounted on a drop-down hinged access panel for service and inspection, and can be removed from the fan without disassembly of the ducting connections.

Fan Controls: The fan can be operated manually, or automatically by a programmable timer, dehumidistat, or other appropriate electronic switch device. The fan may also be operated in conjunction with a variable speed control.

Locating and Installing the Fan: The compact dimensions and versatile mounting options permit installation above drop ceilings, between ceiling joists, or within a small soffit location. The fan can be installed either horizontally or vertically.

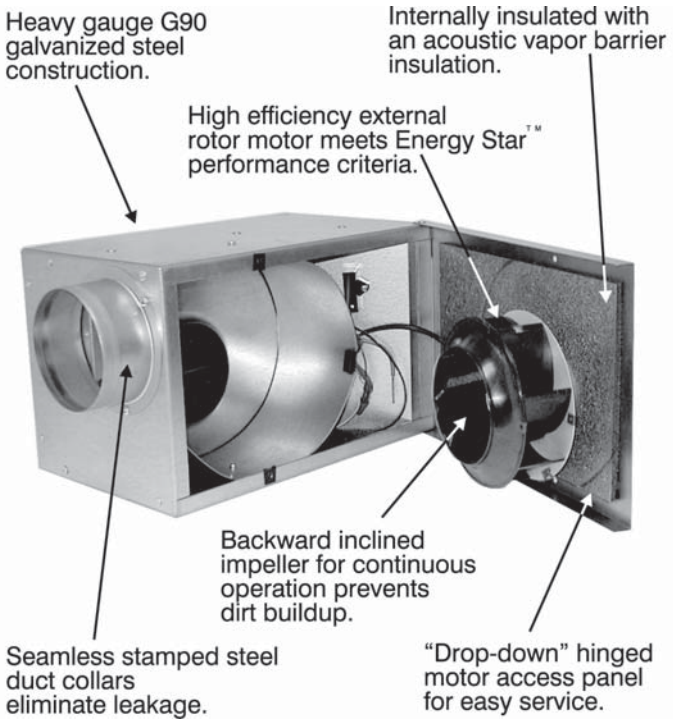
Performance: Fan airflow and energy performance are tested in accordance with HVI standards.

ELECTRICAL DATA

VS-4:	120 V, 60 Hz., .0.19 amp., 22 W max., 2980 RPM
VS-4 Max:	120 V, 60 Hz., .0.29 amp., 38 W max., 3135 RPM
VS-6:	120 V, 60 Hz., .0.34 amp., 41 W max., 2200 RPM
VS-6 Max:	120 V, 60 Hz., .0.53 amp., 63 W max., 2960 RPM

Above ratings are intended for sizing electrical wring only. Actual consumption will be lower.

PRODUCT FEATURES



Typical Specification

Ventilator Fan: American ALDES Ventilation Corporation, Florida (1-800-255-7749). ALDES model VS-4, VS-4MAX, VS-6 or VS-6MAX.

General: The fan shall be continuous duty type with a backward inclined centrifugal blower housed in an insulated enclosure specifically designed residential and commercial use. The fan shall be safety tested per UL standards and bear the agency listing certified mark, and be approved for use over cooking areas and tub/shower enclosures when used with GFCI branch circuiting. The fan must meet the ENERGY STAR performance criteria for energy efficiency and bear the ENERGY STAR mark.

Construction: The housing shall be of a minimum 20 gauge steel with a G90 galvanized coating or baked enamel paint finish. All interior surfaces of the housing shall be lined with a UL recognized non-porous closed cell foam insulation to allow installation above ceilings and in unheated spaces without concern for condensation or absorption of water. The unit shall not exceed 8 " in total height and 12" in width to allow mounting within ceiling/floor joist spaces. The blower shall be external rotor motor centrifugal type with backward inclined impeller blades. The motor and blower assembly shall be mounted on a drop-down hinged access panel so as to permit removal from the housing without disassembly of the ducting connections. The intake and discharge duct connections shall be dimensioned so as to accept standard flexible or rigid duct. Mounting brackets shall be provided for attachment to the fan housing allowing vertical or horizontal installations.

Motor: The motor shall be direct drive external rotor, high efficiency PSC type with permanently lubricated sealed ball bearings. The motor shall have automatic thermal overload protection and must be totally sealed to protect against contaminants and moisture. Naturally vented air-over motors are not acceptable.

Electrical: The fan shall operate on 115V, 50/60Hz, and single-phase current. The motor shall be listed for use with a solid-state speed control.

WARRANTY

The entire unit is guaranteed for 3 years, from date of shipment, against all manufacturing defects provided the material has been installed and operated per manufacturer's instructions and under normal conditions. Warranty is limited to the repair or replacement of the material upon its return freight paid to our factory.
This warranty is not transferable and is limited to the original end user.

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